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APPLICATION NO.). FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/730,784	12/08/2003		Akira Ichihashi	524941/0023	4819
7:	590	07/05/2005		EXAMINER	
Lawrence Ros			VO, ANH T N		
Stroock & Stro 180 Maiden La		Lavan LLP	ART UNIT	PAPER NUMBER	
New York, NY 10038				2861	
				DATE MAILED: 07/05/200:	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Summany	10/730,784	ICHIHASHI ET AL.	(ly
Office Action Summary	Examiner	Art Unit	
	Anh T.N. Vo	2861	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence addres	SS
A SHORTENED STATUTORY PERIOD FOR RETHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a lif NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by some Any reply received by the Office later than three months after the nearned patent term adjustment. See 37 CFR 1.704(b).	ON. R 1.136(a). In no event, however, may a n. a reply within the statutory minimum of thi eriod will apply and will expire SIX (6) MOI tatute, cause the application to become A	reply be timely filed rly (30) days will be considered timely. NTHS from the mailing date of this commu BANDONED (35 U.S.C. § 133).	nication.
Status			
1) Responsive to communication(s) filed on _	·		
2a) ☐ This action is FINAL . 2b) ☑	This action is non-final.		
3) Since this application is in condition for allo	owance except for formal mat	ters, prosecution as to the me	rits is
closed in accordance with the practice und	ler <i>Ex parte</i> Quayle, 1935 C.I	D. 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-16 is/are pending in the applica	tion.		
4a) Of the above claim(s) is/are with	drawn from consideration.		
5) Claim(s) is/are allowed.		·	
6)⊠ Claim(s) <u>1-16</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction a	nd/or election requirement.		
Application Papers			
9) The specification is objected to by the Exar	miner.		
10) The drawing(s) filed on is/are: a)	accepted or b) Objected to	by the Examiner.	
Applicant may not request that any objection to	J. ,	` ,	
Replacement drawing sheet(s) including the co	· ·	• •	` '
11)☐ The oath or declaration is objected to by th	e Examiner. Note the attache	ed Office Action or form PTO-1	52.
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim for fore	eign priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
1. Certified copies of the priority docum	nents have been received.		
2. Certified copies of the priority docum	nents have been received in A	Application No	
3. Copies of the certified copies of the	•	n received in this National Sta	ge
application from the International Bu	` ''		
* See the attached detailed Office action for a	list of the certified copies no	t received.	
		· · · · · · · · · · · · · · · · · · ·	
Attachment(s)		~	
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SE 		(s)/Mail Date Informal Patent Application (PTO-152))
3) Information Disclosure Statement(s) (P10-1449 of P10/SE Paper No(s)/Mail Date <u>12/8/03 & 4/7/04</u> .	6) Other:		-)
C D-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	· · · · 		

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DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

The references cited on PTO 1449 have been considered.

CLAIM REJECTIONS

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 5, 7-9 and 11-15 are rejected under 35 USC 102 (a) as being anticipated by Hara et al. (EP 1258359A1).

Note: The method steps are inherently taught in the apparatus device/limitations in the rejections as follow:

Hara et al. discloses in Figures 2-4 and 7 an ink cartridge comprising:

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- a liquid cartridge body (2) which includes a liquid containing section for containing therein liquid and a liquid supplying section (4) for supplying the liquid to the outside of the cartridge body (2);
- a valve member (52) which is elastically deformable to open in accordance with a pressure difference generated between the liquid containing section (2) and the liquid supplying section (4), said valve member (52) comprising a cylindrical peripheral edge (52a);
- a valve lid (53) comprising a substantially cylindrical valve member holding part inserting inside said peripheral edge (52a) of said valve member (52) for fixing said peripheral edge;
- an urging member (50) provided between said valve member (52) and said valve lid (53) for urging said valve member (52) in a direction away from said valve lid (33) (column 9, lines 43-54 and column 10, lines 6-15).
- wherein said urging member (50) is a coil spring, said valve lid (53) comprises a spring fitting part (53a) of a cylindrical shape, of which an inner diameter is substantially the same as an outer diameter of said coil spring, projecting to face said valve member (52) at a position on which said coil spring is in contact, and said coil spring (50) is held in said valve lid (53) by being fitted into said spring fitting part (53);
- wherein said spring fitting part (53a) has a notch enabling a liquid to flow into and/or out of said spring fitting part, even though said valve member (52) is attached to said spring fitting part (53a); and
- wherein said spring fitting part (53a) has a plurality of notches cut in from said valve member, and at least one of lengths of a plurality of projecting pieces in a surface direction formed by said plurality of notches (53a) is larger than an inner diameter of said coil spring (50).

Claims 1-7 and 10-16 are rejected under 35 USC 102 (a) as being anticipated by Yonekubo (JP 2002-205413).

Note: The method steps are inherently taught in the apparatus device/limitations in the rejections as follow:

Yonekubo discloses in Figures 1-6 an ink cartridge comprising:

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- a liquid containing section (2b) for containing a liquid;

- a cartridge body (1) which comprises a liquid supplying part (4) for supplying a liquid in said liquid containing section (2b) to the outside;

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- a valve member (15) contained in a concave part formed at said cartridge body (1) to be opened when a pressure difference between said liquid containing section (2b) and said liquid supplying part (4) occurs (Figures 1 and 3b);
- a valve lid (20) for holding said valve member (15) by being fitted into said concave part and besides pressing an outer circumference of said valve member (15) toward a wall face of said concave part, wherein a projection is formed on a surface, with which said valve member (15) is in contact, of said wall face in said concave part to be in pressure contact with said valve member along said outer circumference of said valve member (15) (Figure 3b).
- a seal member (16) for sealing to urge an outer surface opposite to a surface, on which said valve member (15) is provided, of said valve lid (20) and a wall face of said cartridge body around said outer surface of said valve lid toward a direction in which said valve lid is in contact with said projection, wherein said concave part is formed on said wall face of said cartridge body;
- wherein said valve member (15) is formed of an elastic material, and said projection is in pressure contact, deforming said valve member (Figure 3b);
- a valve member (15) which is elastically deformable to open in accordance with a pressure difference generated between the liquid containing section (2b) and the liquid supplying section (4), said valve member (15) comprising a cylindrical peripheral edge;
- a valve lid (20) comprising a substantially cylindrical valve member holding part inserting inside said peripheral edge of said valve member (15) for fixing said peripheral edge;
- an urging member (13) provided between said valve member (15) and said valve lid (20) for urging said valve member (15) in a direction away from said valve lid (20) (Figures 3a-3b); and
- said valve lid (20) further comprises a wall surface contact part of a substantially cylindrical shape, of which an inner diameter is larger than an outer diameter of said peripheral edge part of said valve member (12), surrounding said valve member holding part, being in contact with a

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wall face of a concave part formed at said cartridge body to which said valve lid is attached (Figures 3-a-3b).

Citation of Pertinent Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art references (US Pat. 6,585,358; US Pat. 6,666,551; US Pat. 6,837,575) cited in the PTO 892 form show an Ink cartridge that is deemed to be relevant to the present invention. These references should be reviewed.

CONCLUSION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Anh Vo whose telephone number is (571) 272-2262. The examiner can normally be reached on Tuesday to Friday from 8:00 A.M.to 6:00 P.M.. The fax number of this Group 2861 is (703) 872-9306.

PRIMARY EXAMINER

June 30, 2005